

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("5110271").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/19 08:41
S1	8	("3931755"   "4343314"   "5188519"   "5593288"   "5848879"   "6082244"   "6095758"   "6168393"). PN.	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:03
S2	2	((MICHIO) near2 (KITAHAHA)).INV.	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:12
S3	83	((MICHIO) near2 (KITAHAHA)).INV.	EPO; JPO; DERWENT	OR	OFF	2008/10/04 08:13
S4	44	((PAUL) near2 (PATTERSON)).INV.	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:13
S5	4	((PAUL) near2 (PATTERSON)).INV.	EPO; JPO; DERWENT	OR	OFF	2008/10/04 08:13
S6	2	S3 and piston	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/04 08:20
S7	9	(US-20050175489-\$. did. or (US-6168393-\$ or US-6095758-\$ or US- 6082244-\$ or US- 5848879-\$ or US- 5593288-\$ or US- 5188519-\$ or US- 4343314-\$ or US- 3931755-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:21
S8	2	S7 and head	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:21
S9	5	S7 and suction	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:22
S10	0	S7 and glue\$4	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:25
S11	1	S7 and glu\$4	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:25
S12	2	S7 and weld\$4	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:25

S13	1659	umbrella with valve	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:27
S14	938	S13 and pump	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:27
S15	374	S14 and piston	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:27
S16	2	((("6361290") or ("4770058")).PN.	US-PGPUB; USPAT	OR	OFF	2008/10/04 08:48
S17	43	("0665145"   "1196920"   "2778534"   "3134508"   "3327614"   "3583605"   "3816029"   "3830405"   "4018545"   "4479758"   "4708266"   "4807783"   "4953754"   "4966306"   "4967936"   "5243897"   "5348192"   "5348454"   "5381926"   "5476193"   "5494194"   "5524791"   "5603432"   "5615801"   "5618169"   "5676277"   "5688113"   "5725125"   "5730324"   "5797519"   "5860798"   "6045006"   "6065947"   "6193109"   "6273690"). PN. OR ("2005/0175489"   "6193109"   "6394773"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/04 08:59
S18	4	OSHI AGE.in. and piston and pump	US-PGPUB; USPAT	OR	OFF	2008/10/04 09:06
S19	13	(US-20050175489-\$. did. or (US-6168393-\$ or US-6095758-\$ or US- 6082244-\$ or US- 5848879-\$ or US- 5593288-\$ or US- 5188519-\$ or US- 4343314-\$ or US- 3931755-\$ or US- 6453940-\$ or US- 6394773-\$ or US- 6193109-\$ or US- 4459088-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/10/05 14:38
S20	0	S19 and adhesion	US-PGPUB; USPAT	OR	OFF	2008/10/05 14:38

S21	5	S19 and (adhesion or weld\$4 or glu\$4)	US-PGPUB; USPAT	OR	OFF	2008/10/05 14:38
S22	4	S19 and tight	US-PGPUB; USPAT	OR	OFF	2008/10/05 14:41
S23	1082	(cylinder with head with weld\$4)	US-PGPUB; USPAT	OR	OFF	2008/10/05 14:42
S24	13	(US-20050175489-\$). did. or (US-6168393-\$ or US-6095758-\$ or US- 6082244-\$ or US- 5848879-\$ or US- 5593288-\$ or US- 5188519-\$ or US- 4343314-\$ or US- 3931755-\$ or US- 6453940-\$ or US- 6394773-\$ or US- 6193109-\$ or US- 4459088-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/10/06 18:36
S25	2	S24 and projection	US-PGPUB; USPAT	OR	OFF	2008/10/06 18:36
S26	13	(US-20050175489-\$). did. or (US-6168393-\$ or US-6095758-\$ or US- 6082244-\$ or US- 5848879-\$ or US- 5593288-\$ or US- 5188519-\$ or US- 4343314-\$ or US- 3931755-\$ or US- 6453940-\$ or US- 6394773-\$ or US- 6193109-\$ or US- 4459088-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/10/06 23:23
S27	8	S26 and turn\$4	US-PGPUB; USPAT	OR	OFF	2008/10/06 23:23
S28	350	(417/545).CCLS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/04 12:21
S29	1	S28 and blood	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/04 12:22
S30	0	(417/545+).CCLS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/04 12:22
S31	2258	((417/546) or (417/547) or (417/548) or (417/549) or (417/552)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/04 12:23

S32	0	S31 and blood	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/04 12:23
S33	0	S31 and oral	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/04 12:23
S34	2	"417".clas. and ((measure or test) near4 leakage) with (pressure near3 (change or loss))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/04 12:59
S35	26	pump and ((measure or test) near4 leakage) with (pressure near3 (change or loss))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/04 13:00
S36	1	(pump or compressor). ti. and ((measure or test) near4 leakage) with (pressure near3 (change or loss))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/04 13:00
S37	99	((measure or test) near4 leakage) with (pressure near3 (change or loss))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/04 13:01
S38	2265	((417/546) or (417/547) or (417/548) or (417/549) or (417/552)). OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/17 20:53
S39	0	S38 and (resin with ultrasonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/17 20:53
S40	4	S38 and (resin with cylinder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/17 20:53
S41	118052	"417".clas. (resin with cylinder with ultrasonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/17 21:03
S42	0	"417".clas. and (resin with cylinder with ultrasonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/17 21:03
S43	0	"417".clas. and (resin with cylinder with weld \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/17 21:03

S44	1766	(resin with ultrasonic near weld\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/17 21:04
S45	33	(resin with cylinder near weld\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/17 21:04
S46	59	(resin near ultrasonic near weld\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/17 21:04

11/ 19/ 2009 8:55:08 AM